### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau





### (43) International Publication Date 30 October 2003 (30.10.2003)

#### **PCT**

# (10) International Publication Number WO 03/088735 A1

(51) International Patent Classification<sup>7</sup>: A01C 5/08 // 23/00

(21) International Application Number: PCT/NO03/00122

(22) International Filing Date: 14 April 2003 (14.04.2003)

(25) Filing Language:

Norwegian

(26) Publication Language:

English

(30) Priority Data: 20021854 19 April 2002 (19.04.2002) NO

(71) Applicant (for all designated States except US): AGROMILJØ AS [NO/NO]; N-4160 Finnøy (NO).

(72) Inventor; and

(75) Inventor/Applicant (for US only): VASTVEIT, Kjell [NO/NO]; N-4160 Finnøy (NO).

(74) Agent: LAJER, Dorte; Zacco Norway AS, P.O. Box 765, Sentrum, N-0106 Oslo (NO). (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

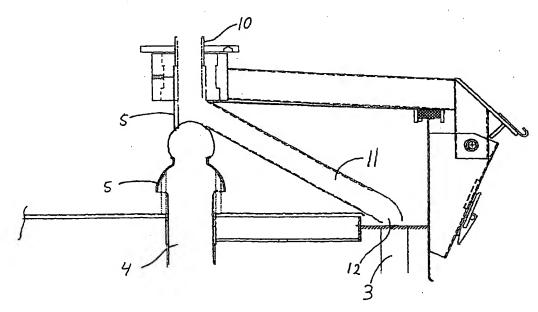
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ROTARY DISTRIBUTOR, METHODS FOR ITS USE AND THE USE OF THE DISTRIBUTOR



(57) Abstract: There is described a rotary distributor for use in spreading solid particles and/or liquid form an agricultural machine, comprising a round distributor having outlet holes arranged peripherally in the horizontal bottom of the housing and connected to outlet pipes 3, a first supply pipe 4 arranged centrally in the bottom of the distributor housing 1 for the supply of liquid under pressure and connected to a vertical, rotatably supported hollow rotor shaft 5 in flow communication with a first transverse hollow rotor arm 6 which has at least one angled, downward-directed nozzle 7 that is level with the outlet holes 2. The distributor housing further comprises a means 10, 11 for introducing and distributing solid particles such as seed corn.

7 02/088735 A1